

Abstract

A clamping system for high or ultra-high vacuum system components including a clamping member surrounding a flange of the vacuum system component. A bead along the inside diameter of the clamping member engages a groove in the peripheral surface of the flange. When a clamping force is applied to the clamping member, as by a bolt, the force is transmitted to the flange providing sufficient clamping force to form a vacuum seal.